

Proposal Full View

Applicant Information

Organization Name

 *

Tax ID

942535586

Proposal Name

 Feasibility Analysis of Expansion
of ASR Program to Phase 3 Site *

Proposal Objective

MPWMD has been actively pursuing Aquifer Storage and Recovery (ASR) in the Seaside Groundwater Basin as a local water supply augmentation effort since 1996. The Seaside Basin ASR Program was designed to be developed in project phases, subject to available funding and staff resources. Design, engineering and construction are nearly complete for the Phase 1 Project, and the Phase 1 site has been operating as a permanent facility since 2008. The Phase 2 ASR Project is currently under construction and scheduled for completion in 2014. MPWMD is applying for LGA grant funds to drill an exploratory borehole and install a cluster of monitor wells at the site referred to as the potential Phase 3 ASR Project site. MPWMD would use the cuttings and geophysical logs to determine if the occurrence of targeted Santa Margarita Sandstone is sufficient to move forward with the third phase at this location. The wells would be instrumented with Level Troll 700 pressure transducers and a submersible pump would be installed in the deep completion. Regardless of the feasibility determination as a viable future ASR expansion site, MPWMD will receive value from this monitor well installation in one of two ways: (1) if the site is viable, MPWMD can proceed with permitting, design, bonding, and construction of ASR Phase 3, or (2) if it is not viable, the monitor well installation will be used as the off-site monitor well required by the RWQCB as part of the ongoing monitoring program in the basin associated with the ASR Program. *

Budget

Other Contribution

Local Contribution

Federal Contribution

Inkind Contribution

Amount Requested

 *

Total Project Cost

 *

Geographic Information

Latitude * DD(+/-) MM SS
 Longitude * DD(+/-) MM SS
 Longitude/Latitude Clarification
 Location
 County Monterey *
 Ground Water Basin Salinas Valley-Seaside
 Hydrologic Region Central Coast
 Watershed Del Rey Oaks

Legislative Information

Assembly District 27th Assembly District *
 Senate District 15th Senate District *
 US Congressional District District 17 (CA) *

Project Information

Project Name

Feasibility of ASR Expansion

Implementing Organization	Monterey Peninsula Water Management District
Secondary Implementing Organization	
Proposed Start Date	8/4/2013
Proposed End Date	9/23/2013
Project Scope	Drill exploratory bore to test the feasibility of ASR expansion and construct a monitor well.

Project Description

MPWMD has been actively pursuing Aquifer Storage and Recovery (ASR) in the Seaside Groundwater Basin as a local water supply augmentation effort since 1996. The Seaside Basin ASR Program was designed to be developed in project phases, subject to available funding and staff resources. Design, engineering and construction are nearly complete for the Phase 1 Project, and the Phase 1 site has been operating as a permanent facility since 2008. The Phase 2 ASR Project is currently under construction and scheduled for completion in 2014. MPWMD is applying for LGA grant funds to drill an exploratory borehole and install a cluster of monitor wells at the site referred to as the potential Phase 3 ASR Project site. MPWMD would use the cuttings and geophysical logs to determine if the occurrence of targeted Santa Margarita Sandstone is sufficient to move forward

	<p>with the third phase at this location. The wells would be instrumented with Level Troll 700 pressure transducers and a submersible pump would be installed in the deep completion. Regardless of the feasibility determination as a viable future ASR expansion site, MPWMD will receive value from this monitor well installation in one of two ways: (1) if the site is viable, MPWMD can proceed with permitting, design, bonding, and construction of ASR Phase 3, or (2) if it is not viable, the monitor well installation will be used as the off-site monitor well required by the RWQCB as part of the ongoing monitoring program in the basin associated with the ASR Program.</p>
Project Objective	Determine if the Santa Margarita Sandstone under the current Phase 3 ASR Site is viable for expansion of the ASR program and construct a monitor well as required by RWQCB.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Conjunctive-Other	1000	Feasibility Analysis

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="0"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="26410"/>
Amount Requested	<input type="text" value="201801"/>
Total Project Cost	<input type="text" value="228211"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS
 Longitude/Latitude Location
 Clarification
 County Monterey Ground Water Basin Salinas Valley-Seaside Hydrologic Region Central Coast
 WaterShed

Legislative Information

Assembly District	27th Assembly District
Senate District	15th Senate District
US Congressional District	District 17 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Monterey Peninsula Water Management District 5 Harris Ct, Building G, Ryan Ranch PO Box 85
Monterey, CA 93942

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

MPWMD has been actively pursuing Aquifer Storage and Recovery (ASR) in the Seaside Groundwater Basin as a local water supply augmentation effort since 1996. The Seaside Basin ASR Program was designed to be developed in project phases, subject to available funding and staff resources. Design, engineering and construction are nearly complete for the Phase 1 Project, and the Phase 1 site has been operating as a permanent facility since 2008. The Phase 2 ASR Project is currently under construction and scheduled for completion in 2014. MPWMD is applying for LGA grant funds to drill an exploratory borehole and install a cluster of monitor wells at the site referred to as the potential Phase 3 ASR Project site. MPWMD would use the cuttings and geophysical logs to determine if the occurrence of targeted Santa Margarita Sandstone is sufficient to move forward with the third phase at this location. The wells would be instrumented with Level Troll 700 pressure transducers and a submersible pump would be installed in the deep completion. Regardless of the feasibility determination as a viable future ASR expansion site, MPWMD will receive value from this monitor well installation in one of two ways: (1) if the site is viable, MPWMD can proceed with permitting, design, bonding, and construction of ASR Phase 3, or (2) if it is not viable, the monitor well installation will be used as the off-site monitor well required by the RWQCB as part of the ongoing monitoring program in the basin associated with the ASR Program.

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Jonathan Lear, PG, CHg - Senior Hydrogeologist Monterey Peninsula Water Management District 5 Harris Ct., Building G, Ryan Ranch, P.O. Box 85 Monterey, CA, 93942-0085 www.mpwmd.dst.ca.us
Direct: (831) 658-5647 Fax: (831) 644-9560 Cell: (831) 227-6001

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Jonathan Lear, PG, CHg - Senior Hydrogeologist Monterey Peninsula Water Management District 5 Harris Ct., Building G, Ryan Ranch, P.O. Box 85 Monterey, CA, 93942-0085 www.mpwmd.dst.ca.us
Direct: (831) 658-5647 Fax: (831) 644-9560 Cell: (831) 227-6001

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☒ South Central Region
- 4) ☐ Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

AB 3030 plans can not be adopted in adjudicated basins or in basins where groundwater is managed under other sections of the Water Code without the permission of the court or the other agency. The Seaside Groundwater Basin was adjudicated in 2007 by the Superior Court of Monterey County. The Adjudication Decision (Case No. M66343). Judge Randall has directed to Watermaster to adopt a Basin Action Management Plan. This plan is included in the application as an exhibit.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

MOA of operations of ASR with Cal Am Quarterly Water Budget Meetings with Cal Am, NOAA Fisheries, and CA Fish and Game Monthly Seaside Watermaster TAC Meetings with Cal Am, Cities of Seaside, Monterey, Pacific Grove, Del Rey Oaks, and Monterey County Water Resources Agency.

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".

MPWMD will be providing staff time for construction management and reporting.

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

No Urban water suppliers will be receiving funding from this grant. MPWMD diverts and stores water in the Seaside Groundwater Basin and does not deliver it to customers

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

No urban water suppliers are involved in this grant

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab**APPLICATION ATTACHMENTS TAB****Attachment 1. Authorizing Documentation**

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1_LGA12_MPWMD_AuthDoc_1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2_LGA12_MPWMD_EligDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3_LGA12_MPWMD_GWMP_1of1.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att4_LGA12_MPWMD_ProjD.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att5_LGA12_MPWMD_WrkPln.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att6_LGA12_MPWMD_BUDGET.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att7_LGA12_MPWMD_SCHED_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att8_LGA12_MPWMD_QA_1of1.pdf

Attachment 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att9_LGA12_MPWMD_PERFORM.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att10_LGA12_MPWMD_1420c_1of1.pdf
